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Kitson, Jeremy DA
Winder, Alison J

<120> Novel Ligand

<130> PG3600

<140> PCT/EP99/07303

<141> 1999-10-05

<150> GB 9828628.9

<151> 1998-12-23

<160> 8

<170> PatentIn Ver. 2.1

<210> 1

<211> 153

<212> PRT

<213> Homo sapiens

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20 25 30

Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu Glu Glu
35 40 45

Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr
50 55 60

Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu Ile
65 70 75 80

Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr
85 90 95

Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn Ser
100 105 110

Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Gly Leu Gln
115 120 125

Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu Asp Gly Asp Val
130 135 140

Thr Phe Phe Gly Ala Leu Lys Leu Leu
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<210> 2

<211> 285

<212> PRT

<213> Homo sapiens

pg3600 Seq Listing.txt

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Arg Lys Glu Ser Pro Ser Val Arg Ser Ser Lys Asp Gly Lys Leu Leu
      35      40      45
Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Cys Cys Leu Thr Val Val
      50      55      60
Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly Asp Leu Ala Ser Leu Arg
      65      70      75      80
Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly
      85      90      95
Ala Pro Lys Ala Gly Leu Glu Glu Ala Pro Ala Val Thr Ala Gly Leu
      100     105     110
Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn
      115     120     125
Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Val Thr Gln
      130     135     140
Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys
      145     150     155     160
Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser
      165     170     175
Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr
      180     185     190
Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met
      195     200     205
Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu
      210     215     220
Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu
      225     230     235     240
Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly
      245     250     255
Asp Gly Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu
      260     265     270
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<210> 3

<211> 462

<212> DNA

<213> Homo sapiens

pg3600 Seq Listing.txt

<220>

<221> CDS

<222> (1)..(462)

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ctg att gca gac agt gaa aca cca act ata caa aaa gga tct tac aca	96
Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys Gly Ser Tyr Thr	
20 25 30	
ttt gtt cca tgg ctt ctc agc ttt aaa agg gga agt gcc cta gaa gaa	144
Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu Glu Glu	
35 40 45	
aaa gag aat aaa ata ttg gtc aaa gaa act ggt tac ttt ttt ata tat	192
Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr	
50 55 60	
ggt cag gtt tta tat act gat aag acc tac gcc atg gga cat cta att	240
Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu Ile	
65 70 75 80	
cag agg aag aag gtc cat gtc ttt ggg gat gaa ttg agt ctg gtg act	288
Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr	
85 90 95	
ttg ttt cga tgt att caa aat atg cct gaa aca cta ccc aat aat tcc	336
Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn Ser	
100 105 110	
tgc tat tca gct ggc att gca aaa ctg gaa gaa gga gat gga ctc caa	384
Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Gly Leu Gln	
115 120 125	
ctt gca ata cca aga gaa aat gca caa ata tca ctg gat gga gat gtc	432
Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu Asp Gly Asp Val	
130 135 140	
aca ttt ttt ggt gca ttg aaa ctg ctg tga	462
Thr Phe Phe Gly Ala Leu Lys Leu	
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<210> 4

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)..(858)

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aag aaa aga gaa gaa atg aaa ctg aag gag tgt gtt tcc atc ctc cca	96
Lys Lys Arg Glu Glu Met Lys Leu Lys Glu Cys Val Ser Ile Leu Pro	
20 25 30	

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pg3600 Seq Listing.txt
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 <212> PRT
 <213> Mus sp.

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 Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln
 35 40 45
 Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile
 50 55 60
 Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val Phe Gly
 65 70 75 80
 Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro
 85 90 95
 Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Arg Leu
 100 105 110
 Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln
 115 120 125
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<210> 6
 <211> 309
 <212> PRT
 <213> Mus sp.

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 20 25 30
 Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu
 35 40 45
 Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala
 50 55 60
 Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu
 65 70 75 80
 Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala

pg3600 Seq Listing.txt

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      100      105      110
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      115      120      125
Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro
      130      135      140
Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly
      145      150      155      160
Met Asn Leu Arg Asn Ile Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp
      165      170      175
Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp
      180      185      190
Leu Leu Ser Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys
      195      200      205
Ile Val Val Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu
      210      215      220
Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys
      225      230      235      240
Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys
      245      250      255
Ile Gln Asn Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala
      260      265      270
Gly Ile Ala Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro
      275      280      285
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<220>
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ata cga aaa gga act tac aca ttt gtt cca tgg ctt ctc agc ttt aaa 96
ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys
      20      25      30

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pg3600 Seq Listing.txt

aga gga aat gcc ttg gag gag aaa gag aac aaa ata gtg gtg agg caa	144
Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln	
35 40 45	
aca ggc tat ttc ttc atc tac agc cag gtt cta tac acg gac ccc atc	192
Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile	
50 55 60	
ttt gct atg ggt cat gtc atc cag agg aag aaa gta cac gtc ttt ggg	240
Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val Phe Gly	
65 70 75 80	
gac gag ctg agc ctg gtg acc ctg ttc cga tgt att cag aat atg ccc	288
Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro	
85 90 95	
aaa aca ctg ccc aac aat tcc tgc tac tgc gct ggc atc gcg agg ctg	336
Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Arg Leu	
100 105 110	
gaa gaa gga gat gag att cag ctt gca att cct cgg gag aat gca cag	384
Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln	
115 120 125	
att tca cgc aac gga gac gac acc ttc ttt ggt gcc cta aaa ctg ctg	432
Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu	
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taa	435

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1 5 10 15	
tcc gag aaa gga gaa gat atg aaa gtg gga tat gat ccc atc act ccg	96
Ser Glu Lys Gly Glu Asp Met Lys Val Gly Tyr Asp Pro Ile Thr Pro	
20 25 30	
cag aag gag gag ggt gcc tgg ttt ggg atc tgc agg gat gga agg ctg	144
Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu	
35 40 45	
ctg gct gct acc ctc ctg ctg gcc ctg ttg tcc agc agt ttc aca gcg	192
Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala	
50 55 60	
atg tcc ttg tac cag ttg gct gcc ttg caa gca gac ctg atg aac ctg	240
Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu	
65 70 75 80	

pg3600 Seq Listing.txt

cgc atg gag ctg cag agc tac cga ggt tca gca aca cca gcc gcc gcg	288
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85 90 95	
ggt gct cca gag ttg acc gct gga gtc aaa ctc ctg acg ccg gca gct	336
Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala	
100 105 110	
cct cga ccc cac aac tcc agc cgc ggc cac agg aac aga cgc gct ttc	384
Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe	
115 120 125	
cag gga cca gag gaa aca gaa caa gat gta gac ctc tca gct cct cct	432
Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro	
130 135 140	
gca cca tgc ctg cct gga tgc cgc cat tct caa cat gat gat aat gga	480
Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly	
145 150 155 160	
atg aac ctc aga aac atc att caa gac tgt ctg cag ctg att gca gac	528
Met Asn Leu Arg Asn Ile Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp	
165 170 175	
agc gac acg ccg act ata cga aaa gga act tac aca ttt gtt cca tgg	576
Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp	
180 185 190	
ctt ctc agc ttt aaa aga gga aat gcc ttg gag gag aaa gag aac aaa	624
Leu Leu Ser Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys	
195 200 205	
ata gtg gtg agg caa aca ggc tat ttc ttc atc tac agc cag gtt cta	672
Ile Val Val Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu	
210 215 220	
tac acg gac ccc atc ttt gct atg ggt cat gtc atc cag agg aag aaa	720
Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys	
225 230 235 240	
gta cac gtc ttt ggg gac gag ctg agc ctg gtg acc ctg ttc cga tgt	768
Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys	
245 250 255	
att cag aat atg ccc aaa aca ctg ccc aac aat tcc tgc tac tcg gct	816
Ile Gln Asn Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala	
260 265 270	
ggc atc gcg agg ctg gaa gaa gga gat gag att cag ctt gca att cct	864
Gly Ile Ala Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro	
275 280 285	
cgg gag aat gca cag att tca cgc aac gga gac gac acc ttc ttt ggt	912
Arg Glu Asn Ala Gln Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly	
290 295 300	
gcc cta aaa ctg ctg taa	930
Ala Leu Lys Leu Leu	
305	